abcam

# ab249479

# Anti-Stomatin antibody [EPR10420] - BSA and Azide free

Recombinant | RabMAb

## Key facts

| | |
|---|---|
| **Isotype** | IgG |
| **Host species** | Rabbit |
| **Storage buffer** | pH: 7.2 - 7.4 Constituents: PBS |
| **Form** | Liquid |
| **Clonality** | Monoclonal |
| **Immunogen** | The exact immunogen used to generate this antibody is proprietary information. |
| **Carrier free** | Yes |
| **Clone number** | EPR10420 |
| **Purification technique** | Affinity purification |
| **Concentration** | 1.012 mg/mL The concentration of this product may be batch-dependent<br>Batch concentration finder → |

## Reactivity data

## ICC/IF

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |

| | |
|---|---|
| **Notes** | - |

## WB

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

## IHC-P

**Not recommended**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

## Flow Cyt (Intra)

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

# Target data

See full target information STOM

| | |
|---|---|
| **Function** | Regulates ion channel activity and transmembrane ion transport. Regulates ASIC2 and ASIC3 channel activity. |

# Storage

| | |
|---|---|
| **Shipped at conditions** | Blue Ice |
| **Appropriate short-term storage conditions** | +4°C |

| | |
|---|---|
| **Appropriate long-term storage conditions** | +4°C |
| **Storage information** | Do Not Freeze |

## Notes

ab249479 is the carrier-free version of ab169524.

**Species reactivity**
Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

**Patented technology**
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

**What are the advantages of a recombinant monoclonal antibody?**
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

**Conjugation ready**
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

**Compatibility**
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

## Product promise

**Tested**

We have tested this species and application combination and it works. It is covered by our product promise.

**Expected**

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

**Predicted**

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

**Not recommended**

We do not recommend this combination. It is not covered by our product promise.

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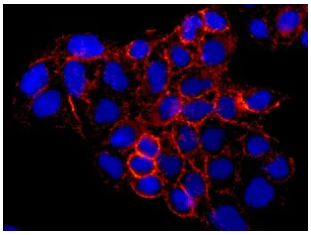
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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## 4 product images

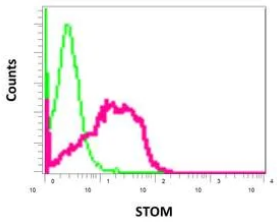


### Immunocytochemistry/ Immunofluorescence - Anti-Stomatin antibody [EPR10420] - BSA and Azide free (ab249479)

Stomatin Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Stomatin antibody

This data was developed using ab169524, the same antibody clone in a different buffer formulation.
Immunofluorescent analysis of HeLa cells labeling Stomatin with ab169524 at 1/100 dilution. DAPI nuclear staining (blue).

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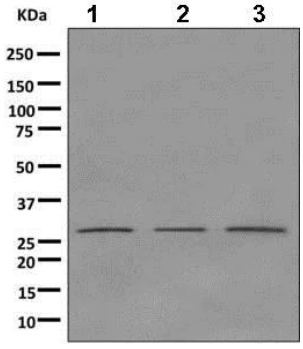



### Flow Cytometry (Intracellular) - Anti-Stomatin antibody [EPR10420] - BSA and Azide free (ab249479)

Stomatin Flow Cytometry (Intracellular) staining using rabbit Anti-Stomatin antibody

This data was developed using ab169524, the same antibody clone in a different buffer formulation.
Intracellular flow cytometric analysis of permeabilized HeLa cells labeling Stomatin with ab169524 at 1/10 dilution (red) compared to a rabbit IgG negative control (green).

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### Western blot - Anti-Stomatin antibody [EPR10420] - BSA and Azide free (ab249479)

This data was developed using ab169524, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-Stomatin antibody [EPR10420] (ab169524) at 1/1000 dilution

Lane 1:
Human fetal heart tissue lysate at 10 µg

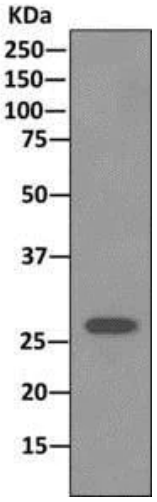
Lane 2:
HeLa cell lysate at 10 µg

Lane 3:
HepG2 cell lysate at 10 µg

Secondary

All lanes:
HRP labeled goat anti-rabbit at 1/2000 dilution

Predicted band size: 32 kDa




## Western blot - Anti-Stomatin antibody [EPR10420] - BSA and Azide free (ab249479)

This data was developed using ab169524, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-Stomatin antibody [EPR10420] (ab169524) at 1/1000 dilution

All lanes:
immunoprecipitation pellet from HepG2 cell lysate

Secondary

All lanes:
HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG

Predicted band size: 32 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.